

Datasheet for ABIN1881474
anti-Kv2.2 antibody (N-Term)[Go to Product page](#)

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Overview

Quantity:	400 µL
Target:	Kv2.2 (KCNB2)
Binding Specificity:	AA 138-166, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	This KCNB2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 138-166 amino acids from the N-terminal region of human KCNB2.
Clone:	RB40837
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Rb
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Kv2.2 (KCNB2)
Alternative Name:	KCNB2 (KCNB2 Products)
Background:	Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion

Target Details

channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in *Drosophila*, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shab-related subfamily. This member is a delayed rectifier potassium channel. The gene is expressed in gastrointestinal smooth muscle cells.

Molecular Weight: 102563

NCBI Accession: [NP_004761](#)

UniProt: [Q92953](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

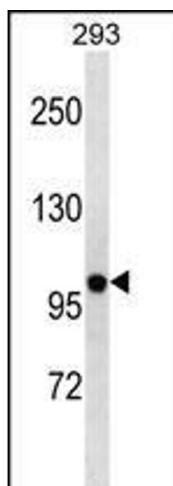
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Expiry Date: 6 months

Publications

Product cited in: Mei, Li, Chu, Yiu, Lo: "The inhibitory effects of silver diamine fluoride at different concentrations on matrix metalloproteinases." in: **Dental materials : official publication of the Academy of Dental Materials**, Vol. 28, Issue 8, pp. 903-8, (2012) ([PubMed](#)).



Western Blotting

Image 1. KCNB2 Antibody (N-term) (ABIN1881474 and ABIN2838638) western blot analysis in 293 cell line lysates (35 µg/lane). This demonstrates the KCNB2 antibody detected the KCNB2 protein (arrow).